

**SECTION 1: Identification of the substance/mixture and of the company****Product Identifier**

Product Name: SiSiB® PC9710  
 Chemical Name: (3,3,3-TRIFLUOROPROPYL)METHYLDICHLOROSILANE  
 CAS-No.: 675-62-7  
 EC-No.: 211-623-4

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant applications identified For industrial use

**Details of the supplier of the safety data sheet**

**Company** Nanjing SiSiB Silicones Co., Ltd.  
 Guanghua Sci & Tech Industrial Zone,  
 No. 104, Guanghua Road, Nanjing 210007, P.R.China  
 Email: SDS@SiSiB.com

**Emergency Telephone Number:** +86-25-8468-0091

**SECTION 2: Hazardous identification****Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids	Category 2	H225
Skin corrosion/irritation	Category 1B	H314
Serious eye damage/eye irritation	Category 1	H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Label elements****Labelling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram



Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapor.

H314

Causes severe skin burns and eye damage.

Precautionary statement(s)

P280

Wear protective gloves/protective clothing/eye protection/face protection.

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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
<b>Other hazards</b>	
No data available	

### SECTION 3: Composition/information on ingredients

#### Substances

Synonyms:	METHYL(3,3,3-TRIFLUOROPROPYL)DICHLOROSILANE; DICHLOROMETHYL(3,3,3-TRIFLUOROPROPYL)SILANE
Formula:	C <sub>4</sub> H <sub>7</sub> Cl <sub>2</sub> F <sub>3</sub> Si
Molecular weight:	211.09 g/mol
CAS-No.:	675-62-7
EC-No.:	211-623-4

Component	Classification	Concentration
(3,3,3-Trifluoropropyl)methyldichlorosilane	Flam. Liq. 2, H225 Skin Corr. 1B, H314 Eye Dam. 1, H318	95% - 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### Description of first aid measures

##### First-aid measures general

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

##### If inhaled

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

##### In case of skin contact

Wash with plenty of soap and water. Get medical advice/attention.

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**In case of eye contact**

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**If swallowed**

Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed****Symptoms/effects**

Causes severe skin burns and eye damage.

**Symptoms/injuries after inhalation**

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

**Symptoms/injuries after skin contact**

May cause skin irritation.

**Symptoms/injuries after eye contact**

May cause eye irritation.

**Symptoms/injuries after ingestion**

May be harmful if swallowed.

**Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**

Water spray. Foam. Carbon dioxide. Dry chemical.

**Unsuitable extinguishing media**

Water

**Special hazards arising from the substance or mixture****Fire hazard**

Highly flammable liquid and vapour. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

**Explosion hazard**

May form flammable/explosive vapour-air mixture.

**Advice for firefighters****Firefighting instructions**

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

**Protection during firefighting**

Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

General measures: Eliminate every possible source of ignition. Use special care to avoid static electric charges.

**For non-emergency personnel**

Emergency procedures: Evacuate unnecessary personnel.

**For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

**Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods and materials for containment and cleaning up**

Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.

**Reference to other sections**

See section 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage****Precautions for safe handling**

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling: Avoid all eye and skin contact and do not breathe vapour and mist. Provide good ventilation in process area to prevent formation of vapour. Containers and transfer lines require grounding during use. Use only outdoors or in a well-ventilated area. Use only non-sparking tools.

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities**

Technical measures: Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions: Keep container tightly closed.

Incompatible materials: Acids. alcohols. Oxidizing agent.

Storage area: Store in a well-ventilated place. Store away from heat.

**Specific end use(s)**

No data available.

**SECTION 8: Exposure Controls/Personal Protection****Control parameters**

No data available.

**Exposure controls****Appropriate engineering controls**

Provide local exhaust or general room ventilation.

**Personal protective equipment**

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Hand protection**

Neoprene or nitrile rubber gloves

**Eye protection**

Chemical goggles. Contact lenses should not be worn.

**Skin and body protection**

Wear suitable protective clothing.

**Respiratory protection**

NIOSH-certified combination organic vapor/acid gas (yellow cartridge) respirator.

**SECTION 9: Physical and Chemical Properties****Information on basic physical and chemical properties**

Appearance	Clear liquid
Molecular mass	211.09 g/mol
Color	Straw.
Odor	Acrid. Similar to hydrogen chloride.
Odor Threshold	no data available
Refractive index	1.385
pH	no data available
Relative evaporation rate (butyl acetate=1)	no data available
Melting point	no data available
Freezing point	< 0 °C
Boiling point	121 - 122 °C
Flash point:	15 °C
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	Highly flammable liquid and vapour.
Vapor pressure:	no data available

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Relative vapor density at 20 °C	> 1
Relative density	1.261
Solubility	Reacts with water.
Log Pow	no data available
Log Kow	no data available
Viscosity, kinematic	no data available
Viscosity, dynamic	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Explosive limits	no data available
<b>Other information</b>	
no data available	

**SECTION 10: Stability And Reactivity****Reactivity**

No data available

**Chemical stability**

Stable in sealed containers stored under a dry inert atmosphere.

**Possibility of hazardous reactions**

Reacts with water and moisture in air, liberating hydrogen chloride.

**Conditions to avoid**

Heat. Sparks. Open flame.

**Incompatible materials**

Acids. alcohols. Oxidizing agent.

**Hazardous decomposition products**

Hydrogen chloride. Hydrogen fluoride. Organic acid vapors.

**SECTION 11: Toxicological Information****Information on toxicological effects****Acute toxicity**

Not classified

intrapitoneal mouse 254 mg/kg

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

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No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Symptoms/effects after inhalation**

May cause irritation to the respiratory tract. Overexposure may cause: Cough. Headache. Nausea.

**Symptoms/effects after skin contact**

May cause skin irritation.

**Symptoms/effects after eye contact**

Causes serious eye irritation.

**Symptoms/effects after ingestion**

May be harmful if swallowed.

**SECTION 12: Ecological Effects****Toxicity****Acute aquatic toxicity**

Not classified

**Chronic aquatic toxicity**

Not classified

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

No data available

**Other adverse effects**

This substance may be hazardous to the environment.

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**SECTION 13: Disposal considerations****Waste treatment methods****Product/Packaging disposal recommendations**

May be incinerated. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.

**Additional information**

Handle empty containers with care because residual vapours are flammable.

**Ecology - waste materials**

Avoid release to the environment.

**SECTION 14: Transport Information****UN number**

ADR/RID: 2985

IMDG: 2985

IATA: 2985

**UN proper shipping name**

ADR/RID: CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.  
((3,3,3-TRIFLUOROPROPYL)METHYLDICHLOROSILANE)  
IMDG: CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.  
((3,3,3-TRIFLUOROPROPYL)METHYLDICHLOROSILANE)  
IATA: CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.  
((3,3,3-TRIFLUOROPROPYL)METHYLDICHLOROSILANE)

**Transport hazard class(es)**

ADR/RID: 3(8)

IMDG: 3(8)

IATA: 3(8)

**Packing group**

ADR/RID: II

IMDG: II

IATA: II

**Environmental hazards**

ADR/RID: no

IMDG Marine Pollutant: no

IATA: no

**Special precautions for user**

No data available

**SECTION 15: Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

Take note of Dir 94/33/EC on the protection of young people at work.

**SECTION 16: Other Information**



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**Full text of H-Statements referred to under sections 2 and 3.**

Eye Dam. 1	Serious eye damage/eye irritation	Category 1
Flam. Liq. 2	Flammable liquids	Category 2
Skin Corr. 1B	Skin corrosion/irritation	Category 1B
H225	Highly flammable liquid and vapour.	
H314	Causes severe skin burns and eye damage.	
H318	Causes serious eye damage.	

**Further information**

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.